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TITLE: OPTICAL RECORDING MEDIUM

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ABSTRACT:

PURPOSE: To prevent increment of noise, by forming a reflection preventing structure against the light direction incided from the side of a substrate by laminating a recording layer, a transparent layer and a reflecting layer in order on the substrate and then recording a signal by making use of the variation of refractive index or transmission factor.

CONSTITUTION: For an optical recording medium such as a video disk or the like, a recording layer 12, a transparent layer 13 and a reflecting layer 14

are formed successively on a substrate 11 made of transparent plastic or the like to obtain a reflection preventing structure. The layers 14 of two units of the said structure are adhered to each other via an adhesive 18 to form a sandwich structure. Thus the laser beam 17 is irradiated from the side of each substrate 11, and the signal is recorded by making use of the variation of refractive index or transmission factor of the layer 12. For instance, the polymethacrylate is used for the substrate 11, and an amorphous thin film of AsTe and cyanine coloring matter or the like whose transmission factor varies by the heat effect of laser, SiO<SB>2</SB> or the like is used for the layer 12, and Te, Al or the like, are used for the layer 14 respectively. Thus a record/ reproduction is possible for the semiconductor laser of several mW.